



Cyber Huntsville

Briefing to Cyber Huntsville Social

12 March 2013

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CYBER HUNTSVILLE

a TENNESSEE VALLEY INITIATIVE

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Agenda

CYBER HUNTSVILLE

- **Introductory Remarks**

Mayor Tommy Battle

- **Cyber Huntsville Overview,
Accomplishments, and Plans**

Rodney Robertson



Cyber War in Full Swing

CYBER HUNTSVILLE

threat **post**

The Kaspersky Lab Security News Service

June 22, 2012

Iran Discovers "Massive Cyber Attack," Points Finger at US, UK, Israel

February 15, 2012

Did A Decade-Long Hack Trigger Nortel's Demise?



Massive targeted cyber-attack in Middle East uncovered - May 28, 2012

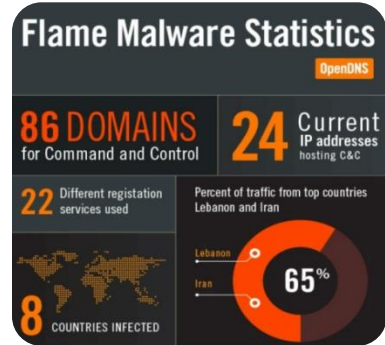
WIRED
Cyberspies Hack Into U.S. Fighter Project - 04.21.09

October 26, 2012

NETWORKWORLD

South Carolina breach exposes 3.6M SSNs

Microsoft's reaction to Flame shows seriousness of 'Holy Grail' hack - June 07, 2012



January 18, 2012

A Quarter of Public Sector Workers Expect Cyber Attack This Year



Why Cyber Huntsville

CYBER HUNTSVILLE

- **Large Cleared Workforce Capable Of Immediately Helping Our Nation Mitigate It's Most Pressing Threat**
 - Unmatched Systems Engineering Talent
- **Redstone Arsenal**
 - Home To Over 55 Federal Organizations - Over 30,000 Federal Employees
 - Home For The Development Of Army Space, Missile, And Aviation Systems
 - Army Material Command Headquarters
 - Worldwide Army Reach
 - NASA
 - International Space Station Payload Operations Center
 - Missile Defense Agency
- **Cummings Research Park**
 - Critical Part Of The High-tech Huntsville Community That Provides Key Support To Redstone Arsenal
 - 2nd Largest Research And Technology Park In The US
 - 4th Largest Research Park In The World
 - Largest Per-capita Concentration Of Engineers In The Nation



Cyber Huntsville Mission

CYBER HUNTSVILLE

- **Advocate** For The Tennessee Valley Region To Be Known As A Cyber Center Of Excellence
- **Coordinate** And **Integrate** Community's Cyber Activities
- **Communicate** Cyber Information Across The Tennessee Valley Region
- **Promote** Economic Development In Cyber Across The Tennessee Valley Region
- Provide the Catalyst To **Initiate** And **Build** A World Class Cyber Workforce And Cyber Capabilities In The Tennessee Valley Region
- **Support** Cyber Resiliency In The Tennessee Valley Region

A Nationally And Internationally Recognized Cyber Leader That Serves DoD, Other Federal Agencies, And Commercial Markets



Benefits of Cyber Huntsville

CYBER HUNTSVILLE

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Government

- Integral Part Of National Cyber Infrastructure
- Expansion Of Cyber RDT&E Capabilities
- Improved Cyber Solutions

Academia

- Enhanced Competitive Position
- Careers For Graduates

Industry

- Enhanced Capabilities
- Better Access To Opportunities

Value to the Community

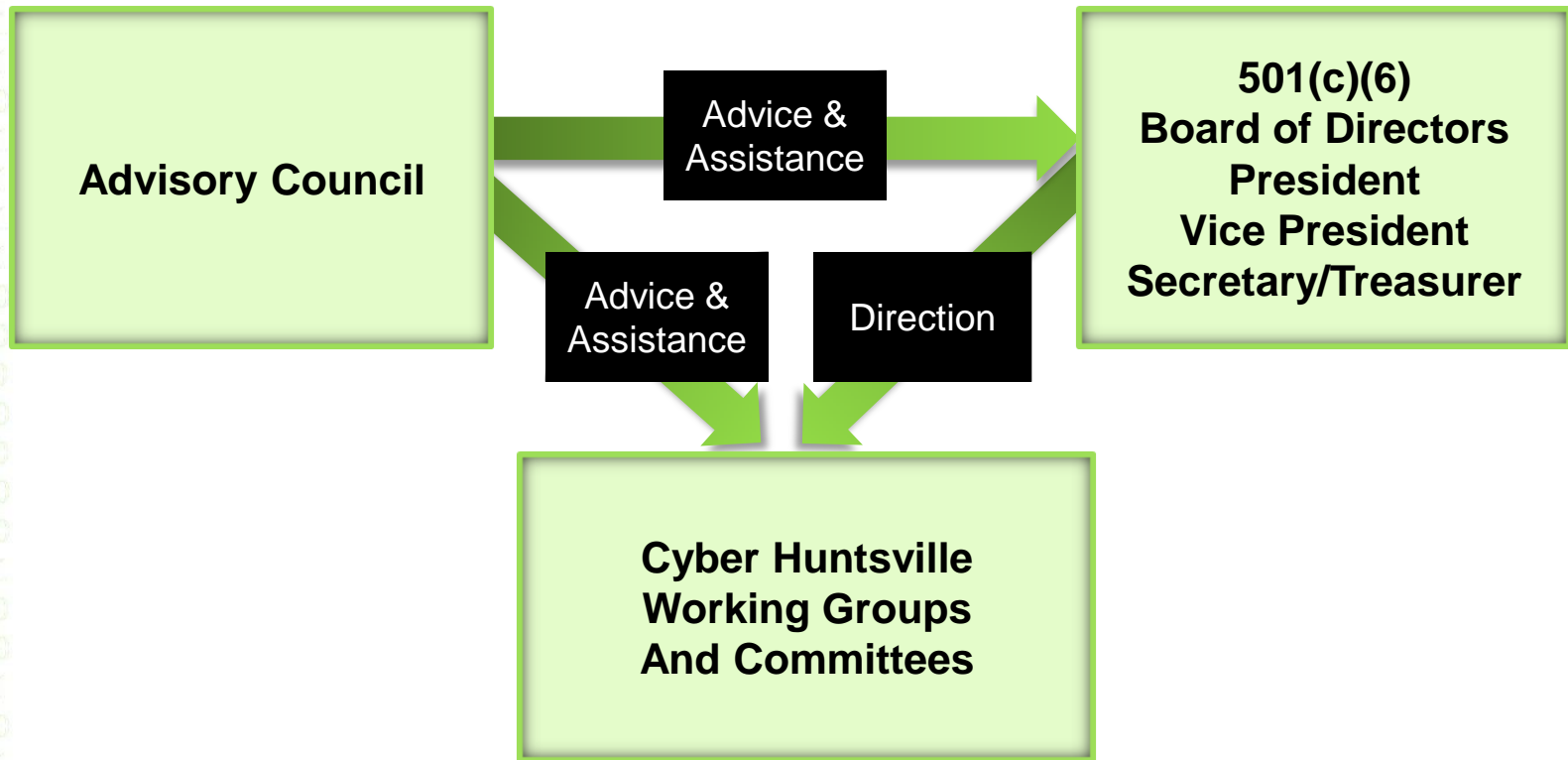
- Creation Of Local Jobs
- Influx Of Cyber Talent
- Diversification Of Community Capabilities And Business Base
- Enhancement Of Workforce
- Collaboration

Cyber Huntsville: Build on Huntsville's Nationally-recognized Talent Pool and Experience, with Focus on Cyber R&D, M&S, Engineering, T&E and Experimentation



Functional Organization

CYBER HUNTSVILLE





Cyber Huntsville Board Members

CYBER HUNTSVILLE

- Rodney Robertson, President
- Jess Granone, Vice President
- Pete Schofield, Vice President for Economic Development
- Kelly Parker, Vice President for Events
- Matt Osborne, Vice President for Education
- Don Faint, Vice President for Membership
- Revelle Gwyn
- Bridget Abashian
- Jay Kurowsky
- Joe Vallely
- Alicia Ryan
- Michelle Jordan
- Rob Goldsmith, Government IPT



Cyber Huntsville Standing Committees

CYBER HUNTSVILLE

- Executive Committee – Rodney Robertson
- Economic Development Committee – Pete Schofield
- Events Committee – Kelly Parker
- Education Committee – Matt Osborne
- Marketing, Promotion, and Communications Committee – Jon Levin, Acting
- Membership Committee – Don Faint
- Nominating, Budget, and Corporate Governance Committee – Revelle Gwyn
- Advisory Committee – Joe Vallely



Cyber Huntsville Advisory Council Members

CYBER HUNTSVILLE

- Walter Batson, Camber
- Tom Baumbach, Dynetics
- LTG(Ret) Ron Burgess, Auburn University
- MG(Ret) Barbara Fast, CGI Federal
- John Grimes, University of Alabama at Birmingham
- MG(Ret) John Holly, Lockheed Martin
- Wally Kirkpatrick, DESE
- Peter Kiss, Sentar
- Linda Maynor, Maynard, Cooper, and Gale, PC
- Bill Roark, Torch Technologies
- John Southerland, Huntsville / Madison County Chamber of Commerce



Cyber Huntsville 5 Year Plan

CYBER HUNTSVILLE

Relationships

- **City Of Huntsville**
- **State**
- **Federal**

Marketing & Promotion

- **Marketing & Promotion Plan**
- **Communications**
- **Events**

Organization & Growth

- **Structure**
- **Budget**
- **MOAs**
- **Research Center**
- **Economic Development**

Education

- **Education Plan**
- **Scholarships**
- **TTX for Kids**
- **Outreach to Schools**
- **Business Education**
- **Cyber Research Center**



Cyber Huntsville 5 Year Plan (Continued)

CYBER HUNTSVILLE

5 Year Plan Organization and Growth	1	3	5
Structure	<ul style="list-style-type: none"> • Redefine Cyber Huntsville Corp (CHC) Structure To Match Objectives • Form Advisory Board • Form Nomination Committee 	<ul style="list-style-type: none"> • Update • Meet Semi Annually • Continue 	<ul style="list-style-type: none"> • Update • Continue
Budget	<ul style="list-style-type: none"> • Develop A CHC Budget 	<ul style="list-style-type: none"> • Refine And Update • Approve 	<ul style="list-style-type: none"> • Refine And Update • Approve
MOA's	<ul style="list-style-type: none"> • Identify Potential Labs (ONRL, Sandia), Etc. • Develop And Implement 	<ul style="list-style-type: none"> • Update • Monitor For Renewal/Update 	<ul style="list-style-type: none"> • Update • Monitor For Renewal/Update
Cyber Research Center	<ul style="list-style-type: none"> • Understand And Develop CHC And Research Center Relationships 	<ul style="list-style-type: none"> • Implement 	<ul style="list-style-type: none"> • Review And Implement
Economic Development	<ul style="list-style-type: none"> • Develop A Plan For Pursuit Of Grants, SBIRS, Etc. 	<ul style="list-style-type: none"> • Apply For 3 Grants Per Year 	<ul style="list-style-type: none"> • Apply For 6 Grants Per Year



Cyber Huntsville 5 Year Plan (Continued)

CYBER HUNTSVILLE

5 Year Plan Relationships	1	3	5
City Huntsville & Mayor	<ul style="list-style-type: none">• Develop Operating MOA With City• Develop Plans For TTX And Functional Decomposition	<ul style="list-style-type: none">• Expand And Revise As Necessary	<ul style="list-style-type: none">• Expand And Revise As Necessary
State	<ul style="list-style-type: none">• Communicate CHC 5 Year Plan With DHS, DOE, DOD• Get In To Alabama State Budget For TTX• Recognize And Support Huntsville Cyber Research Center	<ul style="list-style-type: none">• Execute 1 TTX Per Year• Maintain Budget Line	<ul style="list-style-type: none">• Execute 2 TTXs Per Year• Revise As Necessary
Federal	<ul style="list-style-type: none">• Define And Prepare A Plan For Interface With; DOD, DHS (Fed/State). ORNL, SANDIA, FEMA, Colorado (COS), ASMDA	<ul style="list-style-type: none">• Implement 2 Opportunities Per Year	<ul style="list-style-type: none">• Implement 3 Opportunities Per Year



Cyber Huntsville 5 Year Plan (Continued)

CYBER HUNTSVILLE

5 Year Plan Education	1	3	5
Education	<ul style="list-style-type: none"> Develop Plan And Budget 	<ul style="list-style-type: none"> Update And Revise Plan Assess Budget 	<ul style="list-style-type: none"> Continue Assessment And Planning For Growth
Scholarships	<ul style="list-style-type: none"> Develop Fund Raising Strategy Execute Plan Fundraising 	<ul style="list-style-type: none"> 2 Scholarships For \$1000 Continue Fund Raising 	<ul style="list-style-type: none"> 4 - \$1000 And 4 - \$2000 At 2 And 4 Year Colleges And Universities
TTX For Kids	<ul style="list-style-type: none"> Develop Plan/Funding 	<ul style="list-style-type: none"> Execute 1 TTX Per Year 	<ul style="list-style-type: none"> Execute 2 TTXs Per Year
Outreach To Schools (K-12)	<ul style="list-style-type: none"> Plan And Brief Superintendent 	<ul style="list-style-type: none"> 3 Schools/Year 	<ul style="list-style-type: none"> 9 Schools/Year
Business Education	<ul style="list-style-type: none"> Plan With Chamber Mini-conference For Non Cyber 	<ul style="list-style-type: none"> 1 Mini Conference / Year 	<ul style="list-style-type: none"> 2 Per Mini Conferences Per Year
Cyber Research Center	<ul style="list-style-type: none"> Finalize Plan And Seek Support 	<ul style="list-style-type: none"> "Build" Center At UAH Open Doors In In Year 2 Of Plan. Begin Recruiting <ul style="list-style-type: none"> Students Associates Management 	<ul style="list-style-type: none"> Full Operation 60 Students And Associates Participating Full Management Staff On Board Self Sustaining



Cyber Huntsville 5 Year Plan

(Concluded)

CYBER HUNTSVILLE

5 Year Plan Marketing /Promotion	1	3	5
Marketing and Promotion	<ul style="list-style-type: none"> • Develop Budget and Marketing Plan • Execute Plan 	<ul style="list-style-type: none"> • Assess and develop budget 	<ul style="list-style-type: none"> • Reassess and develop 5 year budget
Communications	<ul style="list-style-type: none"> • Finalize website • Develop “CHC” brochure • Develop annual report 	<ul style="list-style-type: none"> • Improve website/Interactive • Update brochure as necessary • Provide to Industry and Public members 	<ul style="list-style-type: none"> • Update plans • Update plan • 5 year successes and way ahead
Events	<ul style="list-style-type: none"> • Develop Events plan • Support group event, participation and funding: <ul style="list-style-type: none"> ○ ISSA ○ AFCEA ○ Brown Bag 	<ul style="list-style-type: none"> • Develop plan for a National/International cyber conference <ul style="list-style-type: none"> ○ Unclassified ○ Classified ○ CHC/ISSA Event ○ One brown bag per year ○ Support AFCEA ○ One cyber patriot per year 	<ul style="list-style-type: none"> • Develop a plan for a National/International cyber conference <ul style="list-style-type: none"> ○ Unclassified ○ Classified ○ Evaluate/Update ISSA/CHC ○ 2 brown bags per year ○ 2 Cyber patriots per year



Cyber Huntsville Accomplishments (1 of 4)

CYBER HUNTSVILLE

- **Organized** The Community In The Cyber Security Mission Area
- **Branded** Cyber Huntsville
 - Raised The Level Of Awareness And Attention That Is Focused On Cyber Security Within The Tennessee Valley Region
 - Raised The Level Of Awareness Of The Cyber Security Capabilities And Expertise That Exist In The Tennessee Valley Region To The ***National*** And ***International*** Cyber Communities



Cyber Huntsville Accomplishments

(2 of 4)

CYBER HUNTSVILLE

- **Developed** And **Executed** A Cyber Security Needs, Requirements, And Capabilities Survey
- **Held** “Resilience Of Our Critical Infrastructure And Cyber Security Summit --Lessons Learned After The Disaster” Event With DOE And DHS
 - Cyber Vulnerabilities Assessment
 - Coordination Of Information Is Challenging
- **Established** The 501(C)(6) Non-profit Cyber Huntsville Corporation
- **Coordinated/Executed** A Cyber Tabletop Exercise



Cyber Huntsville Accomplishments (3 of 4)

CYBER HUNTSVILLE

- **Co-sponsored** The Annual Cyber Security Summit On 7 June With The North Alabama Chapter Of Information Systems Security Association (ISSA)
 - Expanded To Both Management And Technical Tracks, With Nationally-recognized Speakers
 - Grew The Event From Approx. 325 Attendees Last Year To Approx. 550 Attendees In 2012



Cyber Huntsville Accomplishments (4 of 4)

CYBER HUNTSVILLE

- **Served As The Lead** For Cyber On The Chamber Of Commerce's Technology Committee
 - October Technology Summit
- **Coordinated** with Energy and GEO Huntsville
- **Coordinated** With The Government Cyber IPT Lead
- **Initiated And Leading** Cyber STEM Activities For The Huntsville Area
- **Instituted** Quarterly Cyber Security Information Meetings In Partnership With AFCEA
- **Initiated Planning** For A Cyber Security Research Center



Cyber Huntsville Membership

CYBER HUNTSVILLE

Cyber Huntsville Membership					
<u>Corporate Memberships</u>					
Sustaining		\$ 2,500.00	8 Individual Memberships	Advisory Panel Participation for a senior corporate executive	
Gold		\$ 1,000.00	6 Individual Memberships		
Silver		\$ 500.00	4 Individual Memberships		
Bronze		\$ 250.00	3 individual Memberships		
Small Business	< 10 employee	\$ 100.00	2 individual Memberships		
<u>Individual Memberships</u>					
Individual Memberships		\$ 35.00			



Why Should You Join Cyber Huntsville??

CYBER HUNTSVILLE

- Promote Cyber Economic Growth in Our Community
- All Individual Members Will Receive Reduced Rate Admission to Annual Cyber Summit
- All Members Will Have Access to Results from Cyber Huntsville Table Top Exercise Findings
- All Corporate Members Will Have Access to Cyber Opportunities List Compiled and Managed by Cyber Huntsville
- Corporate Members Will Have Their Corporate Logo Displayed on Cyber Huntsville Web Site Along With the Membership Level
- Corporate Members Will Receive Priority Consideration for PARTICIPATION in Cyber Huntsville Table Top Exercises
- Priority Seating at Cyber Huntsville Sponsored Luncheons, Dinners, and Information Briefings
- Eligible to Apply for Cyber Huntsville Scholarships
- Students Qualify for Free Membership



Cyber Huntsville Website (Under Construction)

CYBER HUNTSVILLE

- The Web Address is www.cyberhuntsville.com (.org, .net, .info, or .co)
- The Web Site Will Provide for Global Online Registration for all Cyber Huntsville Events
- The Web Site will Provide Updates for Issues of Interest to the Cyber Community
- The web Site will Allow Members to Receive Email Updates for Cyber Huntsville Events and Issues of Interest
- The Web Site Will Link to Key Social Media Platforms to Allow Members to Receive and View Updates on Their Platforms of Choice



Upcoming Events

CYBER HUNTSVILLE

- **June Cyber Summit (6 June 2013)**
 - ISSA
 - AFCEA
- **Quarterly Luncheon Events (3 Planned Events For 2013)**
 - AFCEA



Challenges / Future Work

CYBER HUNTSVILLE

- **Grow the Cyber Workforce**
 - Existing work force, College, K-12
 - Cyber Red / Blue Team Competitions
 - Cyber Research Center
- **Bring Cyber work to Huntsville**



Conclusion

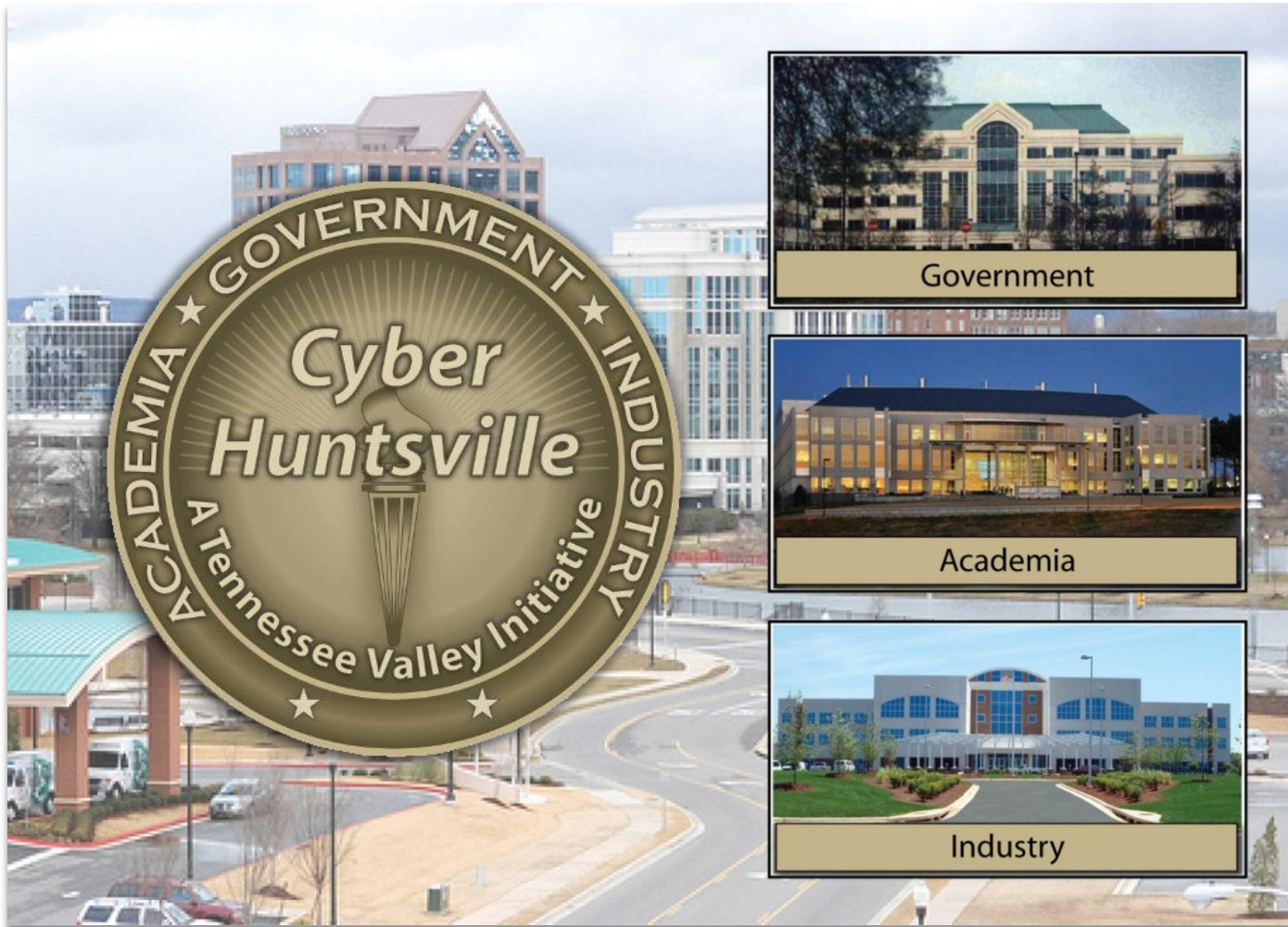
CYBER HUNTSVILLE

- **Cyber Huntsville Brings Together Government, Industry, And Academia In The Tennessee Valley Region To Build Synergy In The Cyber Mission Area**
- **Cyber Huntsville Is Making Progress In Having Huntsville Recognized As A Critical Part Of The Nation's Cyber Solution Set**



Questions???

CYBER HUNTSVILLE



Government

Academia

Industry

For more information visit www.huntsvilleal.gov/cyber